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HOTWORD DETECTION AND DISPLAY OF RESULTS IN A CALL OR CHAT

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ABSTRACT

An application is disclosed that provides for hotword (verbal search prompt) detection and display of results during real-time virtual communications. The application lets users perform a search while on a phone call or audio or video chat. A user presents a query similar to a voice search and the application responds to the query in a way that some or all the users in the interaction can hear orsee it.

BACKGROUND

Users often use voice command search when they are in real-life conversations with others for queries related to what they are currently talking about, for example, settling a bet or finding nearby restaurants etc. However, this does not work well while virtually speaking to another person through a phone call or audio/video chat. This becomes even harder when holding the phone to one's head to use its microphone in a phone call. While multi-tasking activities such as screen sharing, looking at a Cloud document or watching an online video during a chat conversation are quite common among users, there lacks an option for performing a search while in conversation.

DESCRIPTION

This disclosure presents an application for hotword (verbal search prompt) detection and display of results during real-time virtual communications. The application allows users to perform a voice search while on a phone call or audio or video chat. The search invokes a response to the query and displays results in a way that all the users in the interaction can hear or

see it. The application either does not use personal information profile or may leverage the personal profile to only the person who invoked the query. For example, if the user says the hotword then says "when is my flight", then the information pertaining to the query may be configured to be delivered only to the user invoking the query. The search could be directed either at the web or within the device in current use.

If a user is on a video chat, then the application takes the focus on the screen to display results both through visual and audio modes to all the users involved in the chat. In case the user is speaking into his/her phone with the instrument held up to his/her head while also wearing another communication device, then the application responds both through visual and audio modes via the device. In case of conference calls or group chats among users wearing a communication device such as a watch, when one user invokes a search, for example saying the hotword then "find Sushi nearby", then the application responds by flashing the results of the query across all the users' watches.